**Homework 8-FORM A Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Classify and Measure Angles Period: \_\_\_\_\_\_\_\_Advisor:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Directions:** Failure to show all work and write in complete sentence will result in LaSalle!

Write three names for the angle shown. Then name the vertex.*(point where 2 or more segments meet)*

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| 1) | 2)  *M* | 3)  *R* |

Give another name for the angle in the diagram. Tell whether the angle appears to be acute <90, obtuse>90, right 90, or straight.

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| **4)**     |  |  | | --- | --- | | 1. ∠*JKN* 2. ∠*KMN* 3. ∠*PQM* 4. ∠*JML* 5. ∠*QPN* 6. ∠*PLK* | ∠*NKJ Right*  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | **5)**     |  |  | | --- | --- | | 1. ∠*HGM* 2. ∠*KLG* 3. ∠*KJM* 4. ∠*JKL* 5. ∠*HML* 6. ∠*GJK* | \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

Tell whether the statement is *always, sometimes,* or *never* true*. Explain* yourreasoning (use examples!)

6) The measures of two acute angles add up to 90°.

**Spiraled Review**

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| 7) What is 3*x* + 9*y* = 27 written in slope-intercept form?*(y= m(x) + b)* | 8) Identify the slope of the following linear equation:  6*x* - 2*y* = -10 | | 9) In the standard (x, y) coordinate plane, what is the slope of the line that passes through the points (-3, 5) and (7, 3)? |
| 10) Identify the correction that needs to be made in solving the following equation:  135 – 72*g* = 2 - 8*g* + 3  135 – 72*g* = -6*g* + 3  +72*g* +72*g*  135 = 66*g* + 3  -3 -3  132 = 66*g*  ÷66 ÷66  **2 = *g*** | | 11) What is the equation of the line below: [(x_1 + x_2)/2 , (y_1 + y_2)/2] | |
| 12) Graph the following: y =  – 4 | | 13) Graph the following: y = - 4x + 2 | |
| 14) Opposite vertices of a square in the standard (x,y) coordinate plane have coordinates (4, 16) and (20, 0). What are the coordinates for the center of this square?    A. (18, 2) B. (12, 8) C. (8, 12) D. (4, 20) | | 15) Find the distance between (2, -3) and (-5, 5).  Description: http://0.tqn.com/d/math/1/0/A/1/distance.gif | |